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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,224	11/19/2003	D. Navin Chandra	GEN-002	6022
51414 GOODWIN PR	7590 01/12/2007 ROCTER LLP		EXAMINER	
PATENT ADMINISTRATOR			SKIBINSKY, ANNA	
EXCHANGE PLACE BOSTON, MA 02109-2881			ART UNIT	PAPER NUMBER
			1631	
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
31 D	AYS	01/12/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
Office Action Summer	10/717,224	CHANDRA ET AL	 .			
Office Action Summary	Examiner	Art Unit				
	Anna Skibinsky	1631				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet wi	th the correspondence ac	idress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 36(a). In no event, however, may a rewill apply and will expire SIX (6) MON, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this of the control o				
Status			•			
1) Responsive to communication(s) filed on						
	–· · action is non-final.					
<i>,</i> —		ors, prospection as to the	o morito io			
, —	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
closed in accordance with the practice under L	.x parte Quayle, 1955 C.D	. 11, 400 O.G. 210.				
Disposition of Claims		٠,				
4)⊠ Claim(s) <u>1-42</u> is/are pending in the application.			•			
4a) Of the above claim(s) is/are withdray		•				
5) Claim(s) is/are allowed.	· •	• •				
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to						
8) Claim(s) 1-42 are subject to restriction and/or	election requirement					
c) 23 Claim(c) 1 2 are subject to restriction and or to						
Application Papers						
9) The specification is objected to by the Examine	r.	·				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
·— _ ·— ·	· · ·					
 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage 						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
occ the attached detailed Office action for a list of the certified copies flot received.						
.						
Attachment(s)						
1) Notice of References Cited (PTO-892)		ummary (PTO-413)	•			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)		i)/Mail Date				
3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application 6) Other:						
	5,	·				

DETAILED ACTION

Election/Restrictions

This application contains claims directed to the following patentably distinct species:

Applicant is required to make a single election from each of the following Species

A, B, and C.

Specie A

The model is proposed using

A1: an evolutionary algorithm (claims 2 and 23)

A2: genetic programming or a genetic algorithm (claims 3 and 24)

The species are independent or distinct because of the usage of the distinct types of algorithms. The distinct species are separately described in literature thus demonstrating an undue burden of search if all species are searched together.

Currently, claims 1, 4-22 and 25-42 are generic.

Specie B

Species of nodes as presented in claims 12-14, 16-18, 33-35 and 37-39 are distinct. These species are separately described in literature thus demonstrating an undue burden of search if searched together. Applicants are to elect one node or combination of nodes as set forth in claims 33-35 and 37-39.

Currently, claims 1-11, 15, 18-21, 22-32, 36 and 40-42 are generic.

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Specie C

Species of data representative of measured biological behavior as presented in claims 19, 20, 40 and 41 are distinct. These species are separately described in literature thus demonstrating an undue burden of search if searched together.

Applicants are to elect one type of data representative of measured biological behavior or combination of nodes as set forth in claims 19, 20, 40, and 41.

Currently, claims 1-18, 22-39 and 42 are generic.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species.

MPEP § 809.02(a).

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Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions have acquired a separate status in the art due to their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim

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remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anna Skibinsky whose telephone number is (571) 272-4373. The examiner can normally be reached on 8 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Wang can be reached on (571) 272-0811. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Anna Skibinsky, PhD

ANDREW WANG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1600